



FORM HDP-1449(Bassed on Form PTO-1449)

PATENT AND TRADEMARK OFFICE  
INFORMATION DISCLOSURE CITATION

(Use several sheets if necessary)

Sheet 1 of 1

ATTORNEY DOCKET NO.

0102/0190

SERIAL NO.

~~4~~10/005,247

Atsushi HAYAMI et al.

FILING DATE

December 7, 2001

GROUP

2819

~~2613~~

## U.S.PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date

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## FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
JRBJ		WO 0057416	09/28/00	PCT			
OKJ		EP 0991195	04/05/00	EPC			

## OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc. )

Ref. Desig.	Examiner's Initials	

EXAMINER:

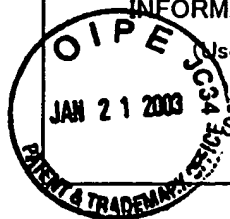
*Alan Bruner Jansland*

Date Considered:

8/31/04

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	0102/0190	10/005,247
	Atsushi HAYAMI et al.	
	FILING DATE	GROUP
	December 7, 2001	2819 <del>2613</del>



U.S.PATENT DOCUMENTS						
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FOREIGN PATENT DOCUMENTS							
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation	
						Yes	No
JP356		EP 0548415	06/30/93	EPC			

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc. )		
Ref. Desig.	Examiner's Initials	

EXAMINER: <i>Jean Bruner Janslaude</i>	Date Considered: 8/31/04
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FORM PTO-1449

## INFORMATION DISCLOSURE CITATION

Atty Docket  
0102/0190Serial No.  
10/005,247Applicant  
Atsushi HAYAMI et al.Filing Date  
December 7, 2001Group Art Unit  
28/9

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
	AA					
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

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## FOREIGN PATENT DOCUMENTS

Document Number	Date	Country	Class	Sub-Class	Translation
AL					
AM					
AN					
AO					
AP					

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	D.J. Lynch, "The Suitability of Various Line Coding Techniques for the Simultaneous Transmission of Data with Voice over Copper Telephone lines", December 1997, pages 12-59, xp2213739
AS	
AT	

Examiner  
*Alan Bruner Jansland*

Date Considered

8/31/04

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	0102/0190	
	APPLICANT Atsushi HAYAMI et al.	
	FILING DATE	GROUP
	concurrently herewith	2819

J0997 U.S. PTO  
 10/005247  
 12/07/01

U.S. PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date

FOREIGN PATENT DOCUMENTS							
						Translation	
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Yes	No
	JBZL	6-195887	7/15/94	Japan Itoi		X	
		10-269289	10/9/98	Japan Maari		X	
		10-283268	10/23/98	Japan Yamada et al.		X	
		10-340543	12/22/98	Japan Kawase		X	
		11-120633	4/30/99	Japan Nishizawa		X	
		2000-105981	4/11/00	Japan Nozen		X	
		2000-332613	11/30/00	Japan Havamizu		X	

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc. )		
Ref. Desig.	Examiner's Initials	

EXAMINER: <i>John Bruner Handland</i>	Date Considered: <i>9/30/04</i>
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